

Rainier Commons LLC

WAD 051230004

April 13, 2012

Start: 9:30 am End:

Contact: Vered Mizrahi
(b) (6) (cell)

3100 Airport Way S, Seattle WA 98134

Pre/Intro Meeting

clean harbor doing weekly clean reports
RC has

office →

- signed forms w/ Vered
- Shimon talked w/ Bartus + Gordon regarding
- pb ◦ notes contain lead according to information
- appropriate waste management issues

Building 9 → 7 containers from 2010

2010 lab results

Emerald Services → in conversation w/ RC

Mike Geffers

USEPA REG



0001015

shimon wants communication from epa

sampling report ~~site visit~~ ?

→ between bldg 4-8 southside

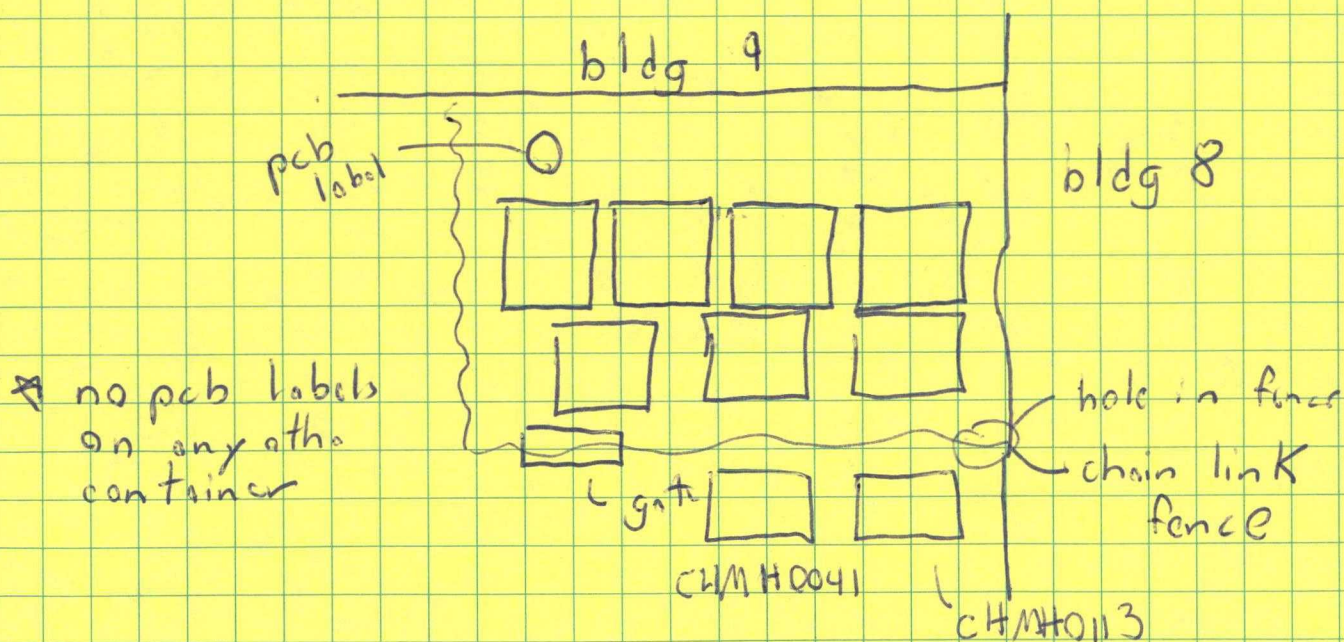
~~pic 677~~

2 red sweeping totes

MSI Sweeping → Clean Harbors for disposal (pic 677) facing east

7 totes covered by black tarp pic 678-680
numbered 101-107

1 drum pic 681-682
no id or lab.)



o have to climb over to access totes

o black tarps had water on them that we had to remove

samples - water plc 883 - 884 facing South

T-01 → 4 Kohuwa loads from tote into
10:50 (time) 500 ml ^{500 ml} vial/jar #4400

T-02 → 2 loads into 500 ml vial/jar
10:52 am #4401

T-03 → 3 loads into 500 ml jar
10:54 am #4402

T-04 → 4 loads
10:56 #4403

T-05 → 3 loads (field duplicate) 2 loads
10:59 #4404
→ 11:08 #4407

all back
T-06 → 2 loads
11:01 #4405

T-07 → 2 loads ← (lab QC)
11:03 #4406

clean harbor containers

CHMH0041 → picture 085 of inside

solid samples

sample T-05
cant do field duplicate
very little sediment

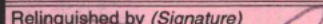
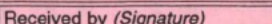
PCP lab build drum
little to no solids
sample # 4916
pic 686

close out conf

1:54pm

downmatt

- pdf the sweeping material to EPA
- ~~RC~~ RC is rushing their duplicates to get results
- they don't want to dispose of them until the lab results — contain
- TSCA storage for the containers
→ are they 50ppm or higher
if so lab's and xyz storage
- drum labeled pcb
need lab results

Chain of Custody Record						Receiving Laboratory Information Condition of Samples upon Receipt at Lab:	
Relinquished by (Signature) 	Date 4/13/12	Time 1637	Received by (Signature)	Date	Time	<div style="font-size: 2em; margin-bottom: 10px;">Good</div> <div> Custody Seals Intact: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> none </div>	
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time		
Relinquished by (Signature)	Date	Time	Received by Mobile Lab for Field Analysis (Signature)	Date	Time		
Shipped by (Signature)	Date	Time	Received for lab by (Signature) 	Date 4/13/12	Time 1637		

Distribution: White - Laboratory Copy;
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Additional Matrix Codes: 30 Leachate 50 Sludge 60 Air

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Organics pre-printed on the form:

PAH Polynuclear Aromatic Hydrocarbons (these are a subset of the compounds reported from GC-MS analyses for BNA - PAH by HPLC or SIM-GC/MS methods are usually requested in order to get low reporting limits). **Pest** Organochlorine Pesticides **PCB** Polychlorinated Biphenyls aka Aroclors **VOA** (aka VOC) - volatile organic compounds **BNA** (aka SVOC or SVOA) - semivolatile organic compounds

Organics that can be written in:

AED scan (detects chlorinated or brominated hydrocarbons) **Butyltins** Butyltins (mono, di, tri, tetra substituted) **CB Con** - Chlorinated Biphenyl Congener analysis **Chlor Hyd.** Chlorinated Hydrocarbons **Chlorophenols** **Gua/Cat** Guaiacols/Catechols scan **Herb** Herbicides **OP Pest** Organophosphorous Pesticides **PBDE** Polybrominated diphenylethers **Resin Acids** **TPH-Dx** Total Petroleum Hydrocarbons, diesel range **TPH-Dx-ext** Total Petroleum Hydrocarbons, diesel range extended to motor oil **TPH-Gx** Total Petroleum Hydrocarbons, gasoline range **TPH-HCID** Total Petroleum Hydrocarbons, identification **THMs** Trihalomethanes

Metals pre-printed on the form (underlined = 'CLP metals' - mercury must be separately requested):

Al aluminum **Sb** antimony **As** arsenic **Ba** barium **Be** beryllium **B** boron **Cd** cadmium **Ca** calcium **Cr** chromium **Co** cobalt **Cu** copper **Fe** iron **Pb** lead **Mg** magnesium **Mn** manganese **Hg** mercury **Ni** nickel **K** potassium **Se** selenium **Ag** silver **Na** sodium **Sn** tin **Tl** thallium **V** vanadium **Zn** zinc

Metals that can be written in and then circled under the box used for designating selected metals:

Au gold **Cr+6** hexavalent chromium **Mo** molybdenum **Sr** strontium **Ti** titanium **W** tungsten **Zr** zirconium

Note: some metals may not be analyzed for on matrices other than soil/sed or water.

Microbiology Analyses pre-printed on the form:

E. Coli Escherichia coli **F. Coliform** Fecal Coliform **T. Coliform** Total Coliform

Microbiology Analyses that can be written in:

Enterococci **MPA** Microscopic Particulate Analysis for Determining GWUDI **G/C** Giardia/Cryptosporidium **Coliphage** **Staph a** Staphylococcus aureus

Toxicity Characteristic Leaching Procedure (TCLP) write in analyses³:

TCLP BNA **TCLP Herb** **TCLP Herbicides** **TCLP met+Hg** **TCLP metals** including mercury **TCLP met** **TCLP metals** not including mercury **TCLP Hg** **TCLP mercury** **TCLP Pest** **TCLP Pesticides** **TCLP VOA**

³ Analyses are normally only conducted for analytes with a TCLP regulatory criteria.

General analyses pre-printed on the form:

BOD Biochemical Oxygen Demand **NO₂+NO₃** Nitrite plus Nitrate **Oil & Grease** **TDS** Total Dissolved Solids **TSS** Total Suspended Solids

General analyses that can be written in:

Acidity **Alk** Alkalinity **TNH3** Ammonia **HCO₃** Bicarbonate **Br** Bromide **CO₃** Carbonate **COD** Chemical Oxygen Demand **Cl** Chloride **Color** **Color** **Cond** Conductivity **CN** Cyanide **CN-** **W&D** Cyanide, weak & dissociable **Flash** Flash Point **F** Fluoride **Grn Siz** Grain Size **Hard** Hardness **NO₂** Nitrite **NO₃** Nitrate **TNVS** Non-Volatile Solids **NVSS** Non-Volatile Suspended Solids **CLO₄** Perchlorate **pH** **Phenol** **Phenolics** **SiO₂** Silica - dissolved **SO₄** Sulfate **S** Sulfide **TOC** Total Organic Carbon **TS** Total Solids **% V Slds** % Volatile Solids **TVS** Volatile Solids **TVSS** Volatile Suspended Solids **SetSlds** Settleable Solids **% Tot** % Total Solids **TKN** Total Kjeldahl Nitrogen **T-Phos** Total Phosphorous **D-Phos** Dissolved Phosphorous **O-Phos** Ortho Phosphorous **D-O-Phos** Dissolved Ortho Phosphorous **Turb** Turbidity

Container guidance.

Note: this is general information only - consult the QA Project Plan on appropriate containers and preservatives for each project. Modifying methods may require modifying the number/type of containers. Freezing samples for one or more analyses may require collection of individual containers. Contact the laboratory for minimum sample volumes in situations where sample material is limited. Minimum volumes required for analysis will depend on the analysis and required reporting limits.

Containers for soil/sediment:

Metals/cyanide/mercury: 1, wide mouth 8 ounce glass or HDPE.

Extractable organics: 1, 8 ounce wide mouth amber glass, for one or two analyte groups

Inorganics and organics: 1, sixteen ounce wide mouth amber glass.

VOAs/purgeables: Contact the laboratory for the proper number/type of special Closed-System sample containers.

Containers/chemical preservatives for water⁴:

Metals/regular mercury: 1, one liter HDPE, HNO₃ to pH<2

Mercury by method 1631: HCl and 250 mL containers provided by MEL

Cyanide: 1, 250 mL or larger HDPE, remove sulfides and/or residual chlorine then add NaOH to pH>12

Extractable organics (BNA, Pest, PCP, PAH etc.): two, one liter amber glass containers for each analysis - if more than one liter will be extracted for the project, it is advisable that the container size match (but not exceed) the volume to be extracted. Two separate volumes are usually collected for each analysis to allow for re-extraction if needed.

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Alkalinity: 1, 250 mL or larger HDPE, no extra volume for lab QC

Ammonia: 1, 250 mL or larger HDPE, H₂SO₄ to pH<2, no extra volume for lab QC

BOD 5: 1, one gallon HDPE, no extra volume for lab QC

TSS: 1, one liter or larger HDPE, no extra volume for lab QC

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Oil & Grease: 1, one liter clear glass, HCl to pH<2, submit 4 separate containers for the lab QC sample

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[illegible]

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Sample Custody & Analysis Required Form

Form Effective Date: July 2005

Revision 1

Project Name Rainier Commons PCB Inspection		Project Code HWD-208A		Method of Shipment/carrier Hand Deliver		Airbill Number (if known prior to sealing):	
Account Code 20122013B10P501E50		EPA Project Manager/phone number Dave Bartus 20653-2804		Check all that apply <input checked="" type="checkbox"/> Enforce/Custody <input type="checkbox"/> Possible Toxic/Hazardous <input type="checkbox"/> Data Confidential			
Sampler Names (Print & Sign). Mark (R) after name of principal recorder. Brent Richmond (sampler) Jennifer Crawford (R) Jeffrey		If applicable, circle the set of selected metals: Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag Na Sn Tl V Zn (see reverse for more to add/circle)		① Matrix Codes: 10 Water/Liquid (Total) 20 Water/Liquid (Filtered) 40 Sediment/Soil/Solid/Bulk 70 Tissue 80 Oil/Solvent 44 Air filter 42 Wipe/Swab 00 _____ <small>¹ PCB wipe is to be 10cm x 10cm (100 cm²)</small>		#C ② enter the number of containers for each preservative type followed by the appropriate preservation code P ③: A - HCl G - Na ₂ S ₂ O ₃ +EDTA B - HNO ₃ H - EDTA C - NaOH N - No chemical preservation D - H ₂ SO ₄ P - Bottles pre-preserved at lab E - Na ₂ S ₂ O ₃ T - To be preserved at the lab F - ascorbic acid ² , then HCl ² Na ₂ S ₂ O ₃ if required by plan. W - _____	
Sampler's comments for the laboratory: May contain elevated Pb				<input type="checkbox"/> Check here if the cooler is iced ④ Enter the letter or range of letters on each container for each group of containers with the same preservative type. Each container for each unique sample number must have a unique letter on it.		Laboratory: see the applicable QAPP, SOW and/or Analytical Support Request for specific methods and detection, reporting, and/or quantitation limits	

EPA Sample number			Sampling Date & Time				Matrix	#C	P	#C	P	#C	P	#C	P	Sampler Initials	Sample/Station Description/Field Measurements	<div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <div>Organics (see reverse)</div> <div>Metals (see reverse)</div> <div>Micro (see reverse)</div> <div>General Chemistry (see reverse)</div> <div>Additional Write in Analyses (see reverse)</div> </div>																
Yr	Wk	Sequence	Yr	Mo	Day	Time	①	②	③	②	③	②	③	②	③			VOA	BNA	pest	PCB	PAH	CLP	Selected	Mercury	E. Coli	F. Coliform	T. Coliform	TSS	BOD 5	NO2+NO3	Oil & Grease	Asbestos	
12	15	4400	12	04	13	10:59	10	2	N							BR	T-01 10:50				X													
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12	15	4405	12	04	13	11:00	10	2	N							BR	T-06				X													
12	15	4406	12	04	13	11:03	10	5	N							BR	T-07 Extra vol for lab QC				X													
12	15	4407	12	04	13	11:08	10	2	N							BR	T-05 DU				X													
12	15	4408	12	04	13	11:37	40	1	N							BR	T-01				X													
12	15	4409	12	04	13	11:57	40	1	N							BR	T-02 3 on 4/13/12				X													
12	15	4410	12	04	13	11:50	40	1	N							BR	T-02				X													
12	15	4411	12	04	13	12:04	40	1	N							BR	T-04				X													
12	15	4412	12	04	13	12:12	40	1	N							BR	T-05				X													
12	15	4413	12	04	13	12:19	40	1	N							BR	T-06				X													
12	15	4414	12	04	13	12:24	40	1	N							BR	T-07				X													
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VOAs/purgeables: Contact the laboratory for the proper number/type of special Closed-System sample containers.

Containers/chemical preservatives for water⁴:

Metals/regular mercury: 1, one liter HDPE, HNO₃ to pH<2

Mercury by method 1631: HCl and 250 mL containers provided by MEL

Cyanide: 1, 250 mL or larger HDPE, remove sulfides and/or residual chlorine then add NaOH to pH>12

Extractable organics (BNA, Pest, PCP, PAH etc.): two, one liter amber glass containers for each analysis - if more than one liter will be extracted for the project, it is advisable that the container size match (but not exceed) the volume to be extracted. Two separate volumes are usually collected for each analysis to allow for re-extraction if needed.

VOAs/purgeables: 3, zero headspace 40 mL amber glass vials with Teflon Septa, remove residual chlorine then add HCl to pH<2

Alkalinity: 1, 250 mL or larger HDPE, no extra volume for lab QC

Ammonia: 1, 250 mL or larger HDPE, H₂SO₄ to pH<2, no extra volume for lab QC

BOD 5: 1, one gallon HDPE, no extra volume for lab QC

TSS: 1, one liter or larger HDPE, no extra volume for lab QC

TDS: 1, 250 mL or larger HDPE, no extra volume for lab QC

Oil & Grease: 1, one liter clear glass, HCl to pH<2, submit 4 separate containers for the lab QC sample

NO₂+NO₃: 1, 250 mL or larger HDPE, H₂SO₄ to pH<2, no extra volume for lab QC

Br, Cl, F, SO₄, CLO₄: for analysis by ion chromatography, 1, 100 mL or larger HDPE, no extra volume for lab QC

⁴ Water samples to be designated for lab QC should have double volume submitted for metals, triple volume for organics. In general, extra volume is usually not required for lab QC for soil/sediment.

Sample Custody & Analysis Required Form

Form Effective Date: July 2005

Revision 1

Project Name Rainier Commons PCB Inspection		Project Code HWD-208A		Method of Shipment/carrier Hand Deliver		Airbill Number (if known prior to sealing):											
Account Code 20122013B10P501E50		EPA Project Manager/phone number Dave Bartus 20653-2804		Check all that apply <input checked="" type="checkbox"/> Enforce/Custody <input type="checkbox"/> Possible Toxic/Hazardous <input type="checkbox"/> Data Confidential													
Sampler Names (Print & Sign). Mark (R) after name of principal recorder. Brent Richmond (sampler) Jennifer Crawford (R) Jeffrey		If applicable, circle the set of selected metals: Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag Na Sn Ti V Zn (see reverse for more to add/circle)		① Matrix Codes: 10 Water/Liquid (Total) 20 Water/Liquid (Filtered) 40 Sediment/Soil/Solid/Bulk 70 Tissue 80 Oil/Solvent 44 Air filter 42 Wipe/Swab 00 _____ <small>¹ PCB wipe is to be 10cm x 10cm (100 cm²)</small>		#C ② enter the number of containers for each preservative type followed by the appropriate preservation code P ③: A - HCl G - Na ₂ S ₂ O ₃ +EDTA B - HNO ₃ H - EDTA C - NaOH N - No chemical preservation D - H ₂ SO ₄ P - Bottles pre-preserved at lab E - Na ₂ S ₂ O ₃ T - To be preserved at the lab F - ascorbic acid ² , then HCl ² Na ₂ S ₂ O ₃ if required by plan. W - _____		Laboratory: see the applicable QAPP, SOW and/or Analytical Support Request for specific methods and detection, reporting, and/or quantitation limits									
Sampler's comments for the laboratory: May contain elevated Pb		④ Check here if the cooler is iced <input checked="" type="checkbox"/>		④ Enter the letter or range of letters on each container for each group of containers with the same preservative type. Each container for each unique sample number must have a unique letter on it.		Organics (see reverse) VOA BNA Pest PCB PAH CLP Selected Mercury E Coli F Coliform T Coliform TSS TDS BOD 5 NO2+NO3 Oil & Grease Asbestos Additional Write in Analyses (see reverse)											
EPA Sample number		Sampling Date & Time		Matrix ①		Sample/Station Description/Field Measurements											
Yr	Wk	Sequence	Yr	Mo	Day	Time	Matrix ①	#C	P	#C	P	#C	P	#C	P	Sampler Initials	
12	15	4400	12	04	13	10:59	10	2	N							BR	T-01 10:50
12	15	4401	12	04	13	10:52	10	2	N							BR	T-02
12	15	4402	12	04	13	10:54	10	2	N							BR	T-03
12	15	4403	12	04	13	10:56	10	2	N							BR	T-04
12	15	4404	12	04	13	10:59	10	2	N							BR	T-05
12	15	4405	12	04	13	11:01	10	2	N							BR	T-06
12	15	4406	12	04	13	11:03	10	5	N							BR	T-07 Extra vol for lab QC
12	15	4407	12	04	13	11:08	10	2	N							BR	T-08 DU
12	15	4408	12	04	13	11:37	40	1	N							BR	T-01
12	15	4409	12	04	13	11:57	40	1	N							BR	T-02 3 du 4/13/12
12	15	4410	12	04	13	11:50	40	1	N							BR	T-02
12	15	4411	12	04	13	12:04	40	1	N							BR	T-04
12	15	4412	12	04	13	12:12	40	1	N							BR	T-05
12	15	4413	12	04	13	12:19	40	1	N							BR	T-06
12	15	4414	12	04	13	12:24	40	1	N							BR	T-07
12	15	4415	12	04	13	12:30	40	1	N							BR	T-01 DU

Chain of Custody Record

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
<i>[Signature]</i>	4/13/12	1637			
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
Relinquished by (Signature)	Date	Time	Received by Mobile Lab for Field Analysis (Signature)	Date	Time
Shipped by (Signature)	Date	Time	Received for lab by (Signature)	Date	Time
			<i>[Signature]</i>	4/13/12	1637

Receiving Laboratory Information Condition of Samples upon Receipt at Lab:
Good
Custody Seals Intact: ☒ yes ☐ no ☐ none
Distribution: White - Laboratory Copy;
Yellow - Regional Sample Control Center (RSCC) Copy; Pink - Field or Office Copy

Additional Matrix Codes: 30 Leachate 50 Sludge 60 Air

Matrix codes: these are the codes in use at the EPA Region 10 Laboratory. Pick the matrix code that best matches the sample matrix. If in the opinion of the sampler, the sample matrix needs to be specially described, select 00 and write in a matrix description. Remember, tissue can be animal or vegetable in nature.

If the write in area becomes filled, cross out one of the pre-printed analyses and write in what is needed. Try to use the bolded analyte symbol/abbreviation (some analyses are not abbreviated).

Organics pre-printed on the form:

PAH Polynuclear Aromatic Hydrocarbons (these are a subset of the compounds reported from GC-MS analyses for BNA - PAH by HPLC or SIM-GC/MS methods are usually requested in order to get low reporting limits). **Pest** Organochlorine Pesticides **PCB** Polychlorinated Biphenyls aka Aroclors **VOA** (aka VOC) - volatile organic compounds **BNA** (aka SVOC or SVOA) - semivolatile organic compounds

Organics that can be written in:

AED scan (detects chlorinated or brominated hydrocarbons) **Butyltins** Butyltins (mono, di, tri, tetra substituted) **CB Con** - Chlorinated Biphenyl Congener analysis **Chlor Hyd.** Chlorinated Hydrocarbons **Chlorophenols** **Gua/Cat** Guaiacols/Catechols scan **Herb** Herbicides **OP Pest** Organophosphorous Pesticides **PBDE** Polybrominated diphenylethers **Resin Acids** **TPH-Dx** Total Petroleum Hydrocarbons, diesel range **TPH-Dx-ext** Total Petroleum Hydrocarbons, diesel range extended to motor oil **TPH-Gx** Total Petroleum Hydrocarbons, gasoline range **TPH-HCID** Total Petroleum Hydrocarbons, identification **THMs** Trihalomethanes

Metals pre-printed on the form (underlined = 'CLP metals' - mercury must be separately requested):

Al aluminum **Sb** antimony **As** arsenic **Ba** barium **Be** beryllium **B** boron **Cd** cadmium **Ca** calcium **Cr** chromium **Co** cobalt **Cu** copper **Fe** iron **Pb** lead **Mg** magnesium **Mn** manganese **Hg** mercury **Ni** nickel **K** potassium **Se** selenium **Ag** silver **Na** sodium **Sn** tin **Tl** thallium **V** vanadium **Zn** zinc

Metals that can be written in and then circled under the box used for designating selected metals:

Au gold **Cr+6** hexavalent chromium **Mo** molybdenum **Sr** strontium **Ti** titanium **W** tungsten **Zr** zirconium

Note: some metals may not be analyzed for on matrices other than soil/sed or water.

Microbiology Analyses pre-printed on the form:

E. Coli Escherichia coli **F. Coliform** Fecal Coliform **T. Coliform** Total Coliform

Microbiology Analyses that can be written in:

Enterococci **MPA** Microscopic Particulate Analysis for Determining GWUDI **G/C** Giardia/Cryptosporidium **Coliphage** **Staph a** Staphylococcus aureus

Toxicity Characteristic Leaching Procedure (TCLP) write in analyses³:

TCLP BNA **TCLP Herb** **TCLP Herbicides** **TCLP met+Hg** **TCLP metals** including mercury **TCLP met** **TCLP metals** not including mercury **TCLP Hg** **TCLP mercury** **TCLP Pest** **TCLP Pesticides** **TCLP VOA**

³ Analyses are normally only conducted for analytes with a TCLP regulatory criteria.

General analyses pre-printed on the form:

BOD Biochemical Oxygen Demand **NO₂+NO₃** Nitrite plus Nitrate **Oil & Grease** **TDS** Total Dissolved Solids **TSS** Total Suspended Solids

General analyses that can be written in:

Acidity **Alk** Alkalinity **TNH3** Ammonia **HCO₃** Bicarbonate **Br** Bromide **CO₃** Carbonate **COD** Chemical Oxygen Demand **Cl** Chloride **Color** Color **Cond** Conductivity **CN** Cyanide **CN-W&D** Cyanide, weak & dissociable **Flash** Flash Point **F** Fluoride **Grn Siz** Grain Size **Hard** Hardness **NO₂** Nitrite **NO₃** Nitrate **TNVS** Non-Volatile Solids **NVSS** Non-Volatile Suspended Solids **CLO₄** Perchlorate **pH** **Phenol** Phenolics **SiO₂** Silica - dissolved **SO₄** Sulfate **S** Sulfide **TOC** Total Organic Carbon **TS** Total Solids **% V Slids** % Volatile Solids **TVS** Volatile Solids **TVSS** Volatile Suspended Solids **SetSlids** Settleable Solids **% Tot** % Total Solids **TKN** Total Kjeldahl Nitrogen **T-Phos** Total Phosphorous **D-Phos** Dissolved Phosphorous **O-Phos** Ortho Phosphorous **D-O-Phos** Dissolved Ortho Phosphorous **Turb** Turbidity

Container guidance.

Note: this is general information only - consult the QA Project Plan on appropriate containers and preservatives for each project. Modifying methods may require modifying the number/type of containers. Freezing samples for one or more analyses may require collection of individual containers. Contact the laboratory for minimum sample volumes in situations where sample material is limited. Minimum volumes required for analysis will depend on the analysis and required reporting limits.

Containers for soil/sediment:

Metals/cyanide/mercury: 1, wide mouth 8 ounce glass or HDPE.

Extractable organics: 1, 8 ounce wide mouth amber glass, for one or two analyte groups

Inorganics and organics: 1, sixteen ounce wide mouth amber glass.

VOAs/purgeables: Contact the laboratory for the proper number/type of special Closed-System sample containers.

Containers/chemical preservatives for water⁴:

Metals/regular mercury: 1, one liter HDPE, HNO₃ to pH<2

Mercury by method 1631: HCl and 250 mL containers provided by MEL

Cyanide: 1, 250 mL or larger HDPE, remove sulfides and/or residual chlorine then add NaOH to pH>12

Extractable organics (BNA, Pest, PCP, PAH etc.): two, one liter amber glass containers for each analysis - if more than one liter will be extracted for the project, it is advisable that the container size match (but not exceed) the volume to be extracted. Two separate volumes are usually collected for each analysis to allow for re-extraction if needed.

VOAs/purgeables: 3, zero headspace 40 mL amber glass vials with Teflon Septa, remove residual chlorine then add HCl to pH<2

Alkalinity: 1, 250 mL or larger HDPE, no extra volume for lab QC

Ammonia: 1, 250 mL or larger HDPE, H₂SO₄ to pH<2, no extra volume for lab QC

BOD 5: 1, one gallon HDPE, no extra volume for lab QC

TSS: 1, one liter or larger HDPE, no extra volume for lab QC

TDS: 1, 250 mL or larger HDPE, no extra volume for lab QC

Oil & Grease: 1, one liter clear glass, HCl to pH<2, submit 4 separate containers for the lab QC sample

NO₂+NO₃: 1, 250 mL or larger HDPE, H₂SO₄ to pH<2, no extra volume for lab QC

Br, Cl, F, SO₄, CLO₄: for analysis by ion chromatography, 1, 100 mL or larger HDPE, no extra volume for lab QC

⁴ Water samples to be designated for lab QC should have double volume submitted for metals, triple volume for organics. In general, extra volume is usually not required for lab QC for soil/sediment.



US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

RECEIPT FOR SAMPLES AND DOCUMENTS

1. INVESTIGATION IDENTIFICATION			2. COMPANY NAME
DATE 4/13/2012	INSPECTION NO.	DAILY SEQ. NO.	Rainier Commons LLC
3. INSPECTOR ADDRESS 1200 6 th Ave E Sea Hle WA 98102			4. COMPANY ADDRESS 3100 Airport Way S Seattle WA 98134

For internal EPA use. Copies of this form may be provided to recipient as acknowledgment of the documents and samples of chemical substances and/or mixture described below collected in connection with the administration and enforcement of the Toxic Substances Control Act.

RECEIPT OF DOCUMENT(S) AND/OR SAMPLE(S) DESCRIBED IS HEREBY ACKNOWLEDGED:

NO.	DESCRIPTION
1	Test America Analytical Report, Job ID: 580-32013-1 4/9/2012
2	21 soil and water samples from the containers on the west side of building 8 and 9

OPTIONAL:

DUPLICATE OR SPLIT SAMPLES: REQUESTED AND PROVIDED



NOT REQUESTED



INSPECTOR SIGNATURE

CLAIMANT SIGNATURE

NAME

Tristen Gardner

NAME

TITLE

Enviro Protection Specialist

DATE SIGNED

4/13/2012

TITLE

DATE SIGNED



US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

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OPTIONAL:

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NOT REQUESTED



INSPECTOR SIGNATURE

CLAIMANT SIGNATURE

NAME

Tristen Gardner

NAME

TITLE

Enviro Protection Specialist

DATE SIGNED

4/13/2012

TITLE

DATE SIGNED



US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
TOXIC SUBSTANCES CONTROL ACT
TSCA INSPECTION CONFIDENTIALITY NOTICE

1. INVESTIGATION IDENTIFICATION			4. FACILITY NAME <i>Rainier Commons LLC</i>
DATE <i>4/13/2012</i>	INSPECTION NO.	DAILY SEQ. NO.	
2. INSPECTOR'S NAME <i>Tristen Gardner</i>			5. ADDRESS <i>3100 Airport Way S Seattle WA 98134</i>
3. INSPECTOR'S ADDRESS <i>1200 6th Ave E Seattle WA 98101</i>			6. NAME OF CHIEF EXECUTIVE OFFICER <i>Shimon Mizrahi</i>
			7. TITLE <i>CEO</i>

For internal EPA use. Copies may be provided to recipient as acknowledgment of this notice.

TO ASSERT A TSCA CONFIDENTIAL BUSINESS INFORMATION CLAIM

It is possible that EPA will receive public requests for release of the information obtained during the inspection of the facility cited above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FOIA), 5 USC 552; EPA regulations issued thereunder, 40 CFR, Part 2; and the Toxic Substances Control Act (TSCA), Section 14. EPA is required to make inspection data available in response to FOIA requests unless the EPA Administrator determines that the data is entitled to confidential treatment, or may be withheld from release under other exceptions of FOIA.

Any or all information collected by EPA during the inspection may be claimed as confidential if it relates to trade secrets, commercial, or financial matters that you consider to be confidential business information (CBI). If you assert a CBI claim, EPA will disclose the information only to the extent, and by means of the procedures set forth in the regulations (cited above) governing EPA's treatment of CBI. Among other things, the regulations require that EPA notify you in advance of publicly disclosing any information claimed as CBI.

A CBI claim may be asserted at any time prior to, during, or after the information is collected. This notice was developed by EPA to assist you in asserting a CBI claim. If it is more convenient for you to assert a CBI claim on your own stationary or by making the individual documents or samples "TSCA confidential business information," it is not necessary for you to use this notice. The inspector will be glad to answer any questions you may have regarding EPA's CBI procedures.

While you may claim any collected information or sample as CBI, such claims are not likely to be upheld if they are challenged unless the information meets the following criteria:

1. Your company has taken measures to protect the confidentiality of the information and it intends to continue to take such measures.

2. The information is not, and has not been, reasonably obtainable without your company's consent by other persons (other than governmental bodies), or by use of legitimate means (other than discovery based on showing of special need in a judicial or quasi-judicial proceeding).

3. The information is not publicly available elsewhere.

4. Disclosure of the information would cause substantial harm to your company's competitive position.

At the completion of the inspection, you will be given a receipt for all documents, samples, and other materials collected. At that time, you may make claims that some or all of the information is CBI.

If you are not authorized by your company to assert a CBI claim, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials to the Chief Executive Officer of your company within 2 days of this date. The Chief Executive Officer must return a statement specifying any information which should receive CBI treatment.

The statement from the Chief Executive Officer should be addressed to:

and mailed by registered, return-receipt requested mail within 7 calendar days of receipt of this notice. Claims may be made at any time after the inspection, but the inspection data will not be entered into the TSCA/CBI security system until an official confidentiality claim is made. The data will be handled under EPA's routine security system unless and until a claim is made.

TO BE COMPLETED BY FACILITY OFFICIAL RECEIVING THIS NOTICE
I acknowledge receipt of this notice:

If there is no one on the premise who is authorized to make CBI claims for this facility, a copy of this notice and other inspection materials will be sent to the company's Chief Executive Officer. If there is another official who should also receive this information, please designate below.

SIGNATURE <i>V. Mizrahi</i>		NAME
NAME <i>Vincent Mizrahi</i>		TITLE
TITLE <i>Project Manager</i>	DATE SIGNED <i>4/13/12</i>	ADDRESS



US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
TOXIC SUBSTANCES CONTROL ACT
TSCA INSPECTION CONFIDENTIALITY NOTICE

1. INVESTIGATION IDENTIFICATION			4. FACILITY NAME
DATE 4/13/2012	INSPECTION NO.	DAILY SEQ. NO.	Rainier Commons LLC
2. INSPECTOR'S NAME Tristen Gardner			5. ADDRESS 3100 Airport Way S Seattle WA 98134
3. INSPECTOR'S ADDRESS 1200 6 th Ave E Seattle WA 98101			6. NAME OF CHIEF EXECUTIVE OFFICER Shimon Mizrahi
			7. TITLE CEO

For internal EPA use. Copies may be provided to recipient as acknowledgment of this notice.

TO ASSERT A TSCA CONFIDENTIAL BUSINESS INFORMATION CLAIM

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2. The information is not, and has not been, reasonably obtainable without your company's consent by other persons (other than governmental bodies), or by use of legitimate means (other than discovery based on showing of special need in a judicial or quasi-judicial proceeding).
3. The information is not publicly available elsewhere.
4. Disclosure of the information would cause substantial harm to your company's competitive position.

At the completion of the inspection, you will be given a receipt for all documents, samples, and other materials collected. At that time, you may make claims that some or all of the information is CBI.

If you are not authorized by your company to assert a CBI claim, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials to the Chief Executive Officer of your company within 2 days of this date. The Chief Executive Officer must return a statement specifying any information which should receive CBI treatment.

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and mailed by registered, return-receipt requested mail within 7 calendar days of receipt of this notice. Claims may be made at any time after the inspection, but the inspection data will not be entered into the TSCA/CBI security system until an official confidentiality claim is made. The data will be handled under EPA's routine security system unless and until a claim is made.

TO BE COMPLETED BY FACILITY OFFICIAL RECEIVING THIS NOTICE
I acknowledge receipt of this notice:

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SIGNATURE <i>V. Mizrahi</i>		NAME
NAME Vered Mizrahi		TITLE
TITLE Project Manager	DATE SIGNED 4/13/12	ADDRESS



US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

NOTICE OF INSPECTION

1. INVESTIGATION IDENTIFICATION			3. FACILITY NAME
DATE 4/13/2012	INSPECTION NO.	DAILY SEQ. NO.	Rainier Commons LLC
2. INSPECTOR'S ADDRESS 1200 6th Ave E Seattle, WA 98102			4. FACILITY ADDRESS 3100 Airport Way S Seattle WA 98134

For Internal EPA Use. Copies may be provided to recipient as acknowledgment of this notice.

REASON FOR INSPECTION

Under the authority of Section 11 of the Toxic Substances Control Act:

☒ For the purpose of inspecting (including taking samples, photographs, statements, and other inspection activities) an establishment, facility, or other premises in which chemical substances or mixtures, articles containing same are manufactured, processed, stored or held before or after their distribution in commerce (including records, files, papers, processes, controls, and facilities) and any conveyances being used to transport chemical substances, mixtures, or articles containing same in connection with their distribution in commerce (including records, files, papers, processes, controls, and facilities) bearing on whether the requirements of the Act are applicable to the chemical substances, mixtures, or articles within, or associated with, such premise or conveyance have been complied with.

☐ In addition, this inspection extends to (check appropriate blocks):

☐ A. Financial data

☐ D. Personnel data

☐ B. Sales data

☐ E. Research data

☐ C. Pricing data

The nature and extent of inspection of such data specified in A through E above is as follows:

INSPECTOR'S SIGNATURE 		RECIPIENT'S SIGNATURE 	
NAME Kristen Gardner		NAME Vered Mizrahi	
TITLE Enviro Protection Specialist	DATE SIGNED 4/13/2012	TITLE Project Manager	DATE SIGNED 04/13/12



US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

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☐ In addition, this inspection extends to (check appropriate blocks):

☐ A. Financial data

☐ D. Personnel data

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☐ E. Research data

☐ C. Pricing data

The nature and extent of inspection of such data specified in A through E above is as follows:

INSPECTOR'S SIGNATURE 		RECIPIENT'S SIGNATURE 	
NAME Tristen Gardner		NAME Vered Mizran	
TITLE Enviro Protection Specialist	DATE SIGNED 4/13/2012	TITLE Project Manager	DATE SIGNED 04/13/12

RC - ~~Useful~~ 10073 (top shelf - left side)
~~Not as useful~~

HD ROOM ALL RAINIER COMMONS

- ① - USEPA R10 LAB - Multi-Analyte Final Report 4-13-12
Site: RAINIER COMMONS PCB INSPECTION.

15 pages in brown folder, Guidance, 3rd shelf on left ~~(over?)~~
brown folder "Guidance"

DID NOT
PULL

- JOINT INSPECTION - King County Industrial Waste / Sea Peb Ore
7-13-11 ~~and~~

in red well labeled PCB Program Rainier Commons, 3rd shelf on left

~~DID NOT
PULL~~

- ⑤ - 2 Red journals; carbon copies of various inspection logs;
4-13-12.
in red well labeled Rainier Commons 2, 3rd shelf on left

- ② - 2 PCB COMPLIANCE INSPECTION REPORTS, 3rd shelf on left
loose on shelf

- ③ - R10 - TSCA/PCB EPA INSPECTION, 4th shelf on left
white ring binder, loose on shelf

~~RESIDE AT RIGHT SHELF, SINCE PINK NOTE~~

- ④ - ~~PRESENT~~ PCB COMPLIANCE INSPECTION REPORT 13 pages
from unmarked redwell, 3rd shelf left

~~Loose documents, 2 yellow file folders~~

- ⑥ - 4 red clasp folders w inspection and closure files.
from box on N wall w 1047c sticker

②
①